

This listing of claims will replace all prior versions, and listing, of claims in the application:

**Listing of Claims:**

1-5 (Cancelled)

6-15 (Cancelled)

16. (Cancelled)

17. (Currently Amended) An expression system comprising:

A a recombinant host cell comprising:

an a first expressible polynucleotide which encodes a core 1  
 $\beta$ 3-galactosyl transferase; and

an a second expressible polynucleotide which encodes a core  
1  $\beta$ 3-galactosyl transferase specific molecular  
chaperone for expressing an active core 1  $\beta$ 3-  
galactosyl transferase, wherein the second expressible  
polynucleotide comprises:

(A) a polynucleotide having the sequence SEQ ID NO.: 2;

(B) a polynucleotide which hybridizes with the polynucleotide having  
the sequence SEQ ID NO: 2 under stringency conditions  
comprising prehybridization and hybridization at 68°C  
followed by washing twice with two x SSC, 0.1% SDS at 22°C,  
and washing twice with 0.2 x SSC, 0.1% SDS at 22°C; or

prehybridization and hybridization at 42°C in 5 x SSPE, 0.3% SDS, 200 ug/ml sheared and denatured salmon sperm DNA, and 25% formamide, or 35% formamide, or 50% formamide, and washing with 2 x SSC, 0.2% SDS at 50°C;

(C) a polynucleotide which differs in nucleotide sequence from the polynucleotide of (A) due to the degeneracy of the genetic code and which encodes a protein having core 1  $\beta$ 3 galactosyl transferase specific molecular chaperone activity; or

(D) a polynucleotide which differs in nucleotide sequence from the polynucleotides of (A), (B) or (C) in that said polynucleotide lacks a nucleotide sequence which encodes a transmembrane domain wherein the encoded core 1  $\beta$ 3 galactosyl transferase specific molecular chaperone is soluble.

18. (Currently Amended) The expression system of claim 17 wherein the second expressible polynucleotide ~~which encodes a core 1  $\beta$ 3 galactosyl transferase specific molecular chaperone~~ comprises a coding the sequence of SEQ ID NO: 2, ~~SEQ ID NO: 4, SEQ ID NO: 6, or SEQ ID NO: 8.~~

19-20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (New) The expression system of claim 17 wherein the first expressible polynucleotide and the second expressible polynucleotide are operatively associated with an expression control sequence.

25. (New) The expression system of claim 17 wherein the recombinant host cell further comprises an expressible polynucleotide encoding a peptide or polypeptide requiring post-translational glycosylation to form a core 1 structure.

26. (New) The expression system of claim 25 wherein the peptide or polypeptide requiring post-translational glycosylation to form a core 1 structure comprises P-selectin glycoprotein ligand-1 or a portion thereof which has P-selectin binding activity.